

Application Serial No. 10/649,445
Preliminary Amendment to RCE dated February 10, 2006

CM06341J

Amendment to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (currently amended): An ~~intrinsicly~~ safe operating system, comprising:
a communication device having communication device type certification parameters stored therein;
a peripheral device that attaches to the communication device, the peripheral device having peripheral device type certification parameters stored therein, the communication device type certification parameters and the peripheral device type certification parameters comprising intrinsic safety information; and
the communication device restricting the level of operation of the peripheral device when the communication device type certification parameters and peripheral device type certification parameters are intrinsically incompatible, based solely on a reading initiated by the communication device, to provide an intrinsically safe operating system.

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2. (currently amended): A method of ~~providing an intrinsically safe~~ operating a communication system, comprising the steps of:

storing communication device type certification parameters within a communication device;

storing peripheral type certification parameters within a peripheral device, the communication device type certification parameters and the peripheral type certification parameters comprising intrinsic safety information;

coupling the peripheral device to the communication device; and

initiating a read at the ~~radio~~ communication device to determine whether the peripheral device is intrinsically compatible with the communication device based on the communication device type certification parameters and the peripheral type certification parameters to provide an intrinsically safe communication system.

3. (original): The method of claim 2, wherein the communication device is a handheld communication device.

4. (original): The method of claim 2, wherein the peripheral device comprises an accessory.

5. (original): The method of claim 2, wherein the peripheral device comprises a battery.

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6. (currently amended): A method of ~~ensuring intrinsically safe operation of~~ operating a radio and a peripheral device, comprising:

storing radio type certification parameters within the radio;

storing peripheral device type certification parameters within the peripheral device, the radio type certification parameters and the peripheral device type certification parameters comprising intrinsic safety information;

comparing, at the radio, the radio type certification parameters and peripheral type certification parameters;

determining, solely at the radio, intrinsically safe compatibility based on the step of comparing;

varying the level of operation of the radio and the peripheral device based on the intrinsically safe compatibility to ensure intrinsically safe operation of the radio in conjunction with the peripheral device; and

indicating intrinsically safe incompatibility.

7. cancel

8. cancel

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9. (original): The method of claim 6, wherein indicating comprises sending a visual alert to a user.

10. (original): The method of claim 6, wherein indicating comprises sending an audible alert to the user.

11. (original): The method of claim 6, wherein indicating comprises sending a physical alert to the user.

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12. (currently amended): An ~~intrinsically safe~~ operating system, comprising:
a communication device having communication device type certification parameters stored therein;
a plurality of peripheral devices that attach to the communication device, the plurality of peripheral devices each having peripheral device type certification parameters stored therein, the communication device type certification parameters and the peripheral device type certification parameters comprising intrinsic safety information;
and
the communication device restricting the plurality of peripheral devices to various predetermined levels of operation in response to the communication device type certification parameters and the peripheral device type certification parameters being mismatched as determined solely by the communication device to provide an intrinsically safe operating system, wherein the various predetermined levels of operation are restricted based on the context of the mismatch.

13. (original): The intrinsically safe operating system of claim 12, wherein the plurality of peripheral devices includes a battery and accessories coupled to the communication device.

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14. (currently amended): A method of ~~providing an intrinsically safe~~ operating a communication system, comprising the steps of:

storing communication device type certification parameters within a communication device;

storing peripheral type certification parameters within a plurality of peripheral devices;

coupling the plurality of peripheral devices to the communication device;

determining, solely within the communication device, whether the plurality of peripheral devices are intrinsically compatible with the communication device based on the communication device type certification parameters and each of the peripheral type certification parameters; and

selectively restricting, solely by the communication device, the operation of the plurality of peripheral devices to predetermined levels based on intrinsic compatibility in order to provide an intrinsically safe communication system.

15. (original): The method of claim 14, wherein the plurality of peripheral devices includes a battery and accessories coupled to the communication device.

16. (previously presented): The intrinsically safe operating system as described in claim 1, wherein the peripheral device is processor-less as regards to the intrinsically safe operating system.

17. (previously presented): The method of claim 2, wherein the peripheral device is processor-less as regards to the intrinsically safe communication system.

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18. (previously presented): The method of claim 6, wherein the peripheral device is processor-less as regards to the intrinsically safe operation of the radio and the peripheral device.

19. (currently amended): The ~~intrinsically safe~~ operating system as described in claim 12, wherein the plurality of peripheral devices are processor-less as regards to the intrinsically safe operating system.

20. (previously presented): The method of claim 14, wherein the plurality of peripheral devices are processor-less as regards to the intrinsically safe communication system.

21. cancel

22. cancel